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Application/Control No.

10/665,882

Examiner

George C. Eckert II

Applicant(s)/Patent under Reexamination

RINERSON ET AL.

Art Unit

2815

√ Rejected
= Allowed

- (Through numeral) Cancelled

Restricted

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| Cla          | Date   |                                       |             |          |          |                |          |               |          |          |
| Final        | Original   | 10/1/04                               | 9/9/9       |          |          |                |          |               |          |          |
|              | 1  | 1                                     | 1           |          |          |                |          |               |          |          |
|              | 1<br>2<br>3<br>4<br>5                              | 1                                     | 7 7 7 7     |          |          |                |          |               |          |          |
|              | 3  | 1                                     | 1           |          |          |                |          |               |          |          |
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|              | 5  | V                                     | 1           |          |          |                |          |               |          |          |
|              | 6  | 1                                     | 4           |          |          |                |          |               |          |          |
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|              | 8  | 1                                     |             |          |          |                |          |               |          |          |
|              | 9  | √.                                    | 1           |          |          |                | _        | _             |          |          |
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|              | 11   | 1                                     |             |          | Н        |                | _        |               |          |          |
|              | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 1           | -        |          |                |          |               |          |          |
|              | 14   | -J                                    | \<br>√      |          |          |                | -        |               |          | _        |
| <u> </u>     | 15   | V                                     |             | -        | Н        | -              |          |               |          |          |
|              | 16   | J                                     | 1           |          |          |                |          |               |          |          |
|              | 17   | 1                                     | V           |          |          | $\dashv$       |          |               |          |          |
|              | 18   | V                                     | 1           |          |          |                | _        |               |          |          |
|              | 19   | 1                                     | 1           | H        |          | $\neg$         | _        |               |          |          |
|              | 20   |                                       |             | $\vdash$ |          | $\Box$         |          |               |          |          |
|              | 21   | V                                     | <b>√</b>    |          |          |                |          |               |          |          |
|              | 22   | 1                                     | <b>V</b>    |          |          |                |          |               |          |          |
|              | 21<br>22<br>23<br>24<br>25                         | \<br>\<br>\<br>\<br>\<br>\<br>\       | 7 7         |          |          |                |          |               |          |          |
|              | 24   | 1                                     | 1           |          |          |                |          |               |          |          |
|              | 25   | 1                                     | V           |          |          |                |          |               |          |          |
|              | 26<br>27   | <b>√</b>                              | 1           |          |          |                |          |               |          |          |
|              | 27   | _                                     | 1           |          |          |                |          |               | _        |          |
|              | 28   | _                                     | ٧,          |          |          |                |          |               | _        |          |
|              | 29<br>30   | _                                     | 1           |          |          |                |          |               |          |          |
| <u> </u>     | 30   | _                                     | V<br>√      | -        | -        |                |          |               |          |          |
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| <del> </del> | 32<br>33   | $\vdash$                              | $\vdash$    | $\vdash$ | -        |                | _        |               | $\vdash$ |          |
|              | 34   | $\vdash$                              | $\vdash$    | $\vdash$ | <u> </u> | $\vdash$       | $\vdash$ | $\overline{}$ | $\vdash$ | _        |
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|              | 38   |                                       |             |          |          |                |          |               |          |          |
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|              | 42   | <u> </u>                              | Ŀ           | _        | _        | <u> </u>       | <u> </u> | <u> </u>      | <u> </u> |          |
| <u> </u>     | 43   | <del> </del> _                        | <u> </u>    | <u> </u> | _        | <del> </del> — |          |               | <u> </u> |          |
|              | 44   | -                                     | $\vdash$    | -        | ļ        | <u> </u>       | <u> </u> | _             |          | $\vdash$ |
|              | 45   | -                                     | -           | $\vdash$ | -        | <u> </u>       | <u> </u> | <u> </u>      | H        | <u> </u> |
| <u> </u>     | 46   | <del> </del>                          | -           | ├        | -        | -              |          | ├—            | ├-       |          |
|              | 47   | ┢                                     | ├           | ├        | ├-       | -              | -        | -             | -        | -        |
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| Cla   | im       | Date |               |   |   |        |               |   |  |   |
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| Final | Original |      |               |   |   |        |               |   |  |   |
|       | 51       |      |               |   |   |        |               |   |  | _ |
|       | 52       |      |               |   |   |        |               |   |  |   |
|       | 53       |      |               |   |   |        |               |   |  |   |
|       | 54       |      |               |   |   |        |               |   |  |   |
|       | 54<br>55 |      |               |   |   |        |               |   |  |   |
|       | 56       |      |               |   |   |        |               |   |  |   |
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|       | 59       |      |               |   |   |        |               |   |  |   |
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|       | 61       |      |               |   |   |        |               | • |  |   |
|       | 62       |      |               |   |   |        |               |   |  |   |
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|       | 66       |      |               |   |   |        |               |   |  |   |
|       | 67       |      |               |   |   |        |               |   |  |   |
|       | 68       |      |               |   |   |        |               |   |  |   |
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|       | 70       |      |               |   |   |        | _             |   |  |   |
|       | 71       |      |               |   |   |        |               |   |  |   |
|       | 71<br>72 |      |               |   |   |        | ·             |   |  |   |
|       | 73       |      |               |   | - |        |               |   |  |   |
|       | 74       |      |               |   |   |        |               |   |  |   |
|       | 74<br>75 |      |               |   |   |        |               |   |  |   |
|       | 76       | П    |               |   |   |        |               |   |  |   |
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|       | 79       |      |               |   |   |        |               |   |  | _ |
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|       | 81       |      |               |   |   |        |               |   |  |   |
|       | 82       |      |               |   |   |        |               |   |  |   |
|       | 83       | П    |               |   |   |        |               |   |  |   |
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|       | 86       |      |               |   |   |        |               |   |  |   |
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|       | 94       |      |               |   |   |        |               |   |  |   |
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| 101   |         |       |         |          |                    |                    |          |          |          |          |        |
| 102   | iE<br>L |       |         |          |                    |                    |          |          |          |          |        |
| 102   |         | 101   |         |          |                    |                    |          |          |          |          |        |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149 |         | 102   |         |          |                    |                    |          |          |          |          |        |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149 |         | 103   |         |          |                    |                    |          |          |          |          |        |
| 106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   148   149   149   148   149   149   148   149   148   149   148   149   149   148   149   149   148   149   149   148   149   149   148   149   149   149   148   149   149   149   148   149   149   148   149   149   148   149 |         | 104   |         | ·        |                    |                    |          |          |          |          |        |
| 106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   148   149   149   148   149   149   148   149   148   149   148   149   149   148   149   149   148   149   149   148   149   149   148   149   149   149   148   149   149   149   148   149   149   148   149   149   148   149 |         | 105   |         |          |                    |                    |          |          |          |          |        |
| 109   |         | l 106 |         |          |                    |                    |          |          |          |          |        |
| 109   |         | 107   | L       |          |                    |                    |          |          |          |          |        |
| 109   |         | 108   | L       | L.       | L                  |                    |          |          |          |          |        |
| 1111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         144       144         145       146         149       149  |         | 109   |         |          |                    |                    |          |          |          |          | Ш      |
| 112   | <u></u> | 110   |         |          |                    |                    |          |          |          |          | Ш      |
| 113   |         | 111   |         | _        |                    |                    | _        |          |          |          |        |
| 113   |         | 112   |         |          | _                  |                    |          |          |          |          |        |
| 115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         149       149   |         | 113   |         |          | <u></u>            |                    | <u> </u> |          |          |          | Ш      |
| 115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146         149       149   |         | 114   |         |          |                    |                    |          |          |          |          | Ш      |
| 117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         144       145         148       149   |         | 1115  |         | _        |                    |                    |          |          |          |          | Ш      |
| 118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149   |         | 116   |         |          |                    |                    |          |          |          |          | Ш      |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 144 144 145 146 147 148   |         | 117   | 3       | <u> </u> |                    | L.,                |          |          |          |          | Щ      |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 144 144 145 146 147 148   |         | 118   |         |          |                    |                    |          |          |          |          |        |
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| 123   |         | 120   |         |          |                    |                    |          |          |          |          |        |
| 123   |         | 121   |         |          |                    |                    |          |          |          |          |        |
| 123   |         | 122   |         |          |                    |                    |          |          |          |          |        |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |         | 123   |         |          |                    |                    |          |          |          |          |        |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |         | 124   | Ĭ       |          |                    |                    |          |          |          |          |        |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |         | 125   |         |          |                    |                    |          |          |          |          |        |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |         | 126   |         |          |                    |                    |          |          |          |          |        |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |         | 127   |         |          |                    |                    |          |          |          |          |        |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148   |         | 128   | <u></u> |          |                    |                    |          |          |          |          |        |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |         | 129   |         |          |                    |                    |          |          |          |          |        |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148  |         | 130   |         |          |                    |                    |          |          |          |          |        |
| 132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148  |         | 131   | Γ.      |          |                    |                    |          |          |          |          |        |
| 134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148  |         | 132   |         | ·        |                    |                    |          |          |          |          |        |
| 134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>144<br>145<br>146<br>147<br>148  |         | 133   |         |          |                    |                    |          |          | L.       | <u> </u> |        |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |         | 134   |         |          |                    |                    |          |          |          |          |        |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148   |         | 135   |         |          | $\Box$             |                    |          | $\Box$   |          |          |        |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149   |         | 136   |         |          |                    |                    |          | 匚        |          |          |        |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149   |         | 137   |         |          | $oxedsymbol{oxed}$ | $oxedsymbol{oxed}$ | L        |          | _        | L        | $\Box$ |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149   |         | 138   |         |          |                    |                    |          |          | _        |          | Ш      |
| 141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149   |         | 139   |         |          | 1_                 |                    |          |          | _        |          | Ш      |
| 142<br>143<br>144<br>145<br>146<br>147<br>148   |         | 140   | Ľ.      | _        |                    |                    | <u></u>  | L        |          |          | Ш      |
| 143<br>144<br>145<br>146<br>147<br>148  |         | 141   | <u></u> | _        | $oxed{oxed}$       | <u> </u>           | L        | <u> </u> | L        | _        | $\Box$ |
| 144<br>145<br>146<br>147<br>148<br>149  |         |       | 1       | 1_       | $oxed{oxed}$       |                    |          |          | L_       | L        | $\Box$ |
| 145<br>146<br>147<br>148<br>149   |         |       |         |          | <u> </u>           | _                  | <u></u>  | _        | <u> </u> | _        |        |
| 146<br>147<br>148<br>149  |         |       |         |          |                    |                    |          | 匚        |          | <u>L</u> | $\Box$ |
| 147<br>148<br>149   |         |       |         |          |                    | L                  |          | <u>L</u> | _        |          | $\Box$ |
| 148   |         |       |         |          |                    |                    | L        |          |          |          |        |
| 149   |         |       |         | $\Box$   |                    |                    |          | Ĺ        |          |          |        |
| 149   |         | 148   |         |          |                    | 匚                  |          |          | $\Box$   |          |        |
| 150   |         | 149   |         |          |                    |                    |          |          |          |          |        |
|   |         | 150   |         |          |                    |                    | L        | <u> </u> |          |          |        |